

**Day 1: November 21 (Sat), 2020**

08:30 - 09:10	Hall-A	<b>APAMI2020 Inauguration Ceremony</b> Moderator: Rafiqul Islam Maruf Guests: Naoki Nakashima & APAMI2020 Team, Vajira H. W. Dissanayake, Yu-Chuan Jack Li and Michio Kimura			
09:10-11:00	Hall-A	<b>JCMI-APAMI Special Keynote Session I : HL7 FHIR</b> Moderator: Mihoko Okada, Institute of Health Data Infrastructure for All, Japan			
09:10-10:00		Keynote Speaker: <b>William Ed Hammond</b> Affiliation: Director, Center for Health Informatics, Duke University, USA Title: <i>All About FHIR®</i>			
10:10-11:00		Keynote Speaker: <b>Clement J. McDonald</b> Affiliation: Director, Lister Hill Center, National Library of Medicine (NLM), National Institutes of Health (NIH), USA Title: <i>Tools for Validating, Entering and Retrieving FHIR Clinical Data from the Lister Hill Center FHIR Brigade</i>			
11:00-11:20		TEA BREAK			
11:20-12:50	Room E-1	<b>APAMI Panel Session: Patient Engagement</b> <i>Digital Health: Application of Mobile and Wearable Devices for Participatory Healthcare</i> Moderator: <b>Shabbir Syed Abdul</b> , Taipei Medical University, Taiwan	11:20-12:50	Room E-2	<b>General Oral Session: Connected and Digital Health</b> Chairs: <b>CP Wong</b> , Hong Kong Society for Medical Informatics, Hong Kong and <b>Ashir Ahmed</b> , Kyushu University, Japan
		Panel Speaker: <b>Shabbir Syed Abdul</b> Affiliation: Taipei Medical University, Taiwan	11:20-11:40		<b>MT Ghozali</b> , Universitas Muhammadiyah Yogyakarta, Indonesia Title: <i>Asthma Self-Management App for Indonesian Asthmatics: A Patient-Centered Design</i>
		Panel Speaker: <b>Yu-Chuan (Jack) Li</b> Affiliation: Graduate Institute of Biomedical Informatics, Taipei Medical University, Taiwan	11:40-12:00		<b>Kimiyo Kikuchi</b> , Kyushu University, Japan Title: <i>Portable Health Clinic for Sustainable Care of Mothers and Newborns in Rural Bangladesh</i>
		Panel Speaker: <b>Luis Fernandez Luque</b> Affiliation: Salumedia Labs, Sevilla, Spain & Adhera Health Inc, USA	12:00-12:20		<b>Junhao Zhong</b> , Massachusetts College of Pharmacy and Health Science University, USA Title: <i>Explore the Potential of a Regulated Digital Pharmacy Industry in Japan</i>
		Panel Speaker: <b>Ekaterina Koledova</b> Affiliation: Merck Healthcare KGaA, Germany			
		Panel Speaker: <b>Rafiqul Islam Maruf</b> Affiliation: Medical Information Center, Kyushu University Hospital, Japan			
12:50-14:00		LUNCH BREAK			
14:10-16:00	Room E-1	<b>General Oral Session: Telehealth and Telemedicine Systems</b> Chairs: <b>Usman Iqbal</b> , Taipei Medical University, Taiwan and <b>Toshihiro Takeda</b> , Osaka University Graduate School of Medicine, Japan	14:05-14:55	Room E-2	<b>Poster Presentation Sessions: Nursing Informatics</b> Chair: <b>Shinichio Yokota</b> , The University of Tokyo Hospital, Japan
14:10-14:30		<b>Oommen John</b> , The George Institute for Global Health, India Title: <i>Telemedicine in India: Strengthening Health Services Delivery for Universal Health Coverage</i>	14:05-14:12		<b>Kana Kodama</b> , Osaka University Graduate School of Medicine, Japan Title: <i>Development of Home-Visit Nursing Record Template Contents</i>
14:30-14:50		<b>Riksa Wibawa Resna</b> , Institute of Health Science Banten, Indonesia Title: <i>Determination of the Implementation Factors of the Lantera Application Using UTAUT Model</i>	14:12-14:19		<b>Miki Takami</b> , University of Hyogo, Japan Title: <i>Differences in the Self-Evaluation of the Training with and without an Exercise Using Simulation Teaching Materials</i>
14:50-15:10		<b>Shunta Tomimatsu</b> , Kyushu University Hospital, Japan Title: <i>Technical Support for Rapid Replacement of Face-to-face Events with Online Events due to the COVID-19 Pandemic: A Case Study from Kyushu University Hospital</i>	14:19-14:26		<b>Eiko Nakanishi</b> , University of Hyogo, Japan Title: <i>Nurses' Search of Patients' Electronic Medical Records and Their Understanding of Patient: A Study Using Eye Tracking and Follow-up Interviews</i>
15:10-15:30		<b>Kuriko Kudo</b> , Kyushu University Hospital, Japan Title: <i>Participants' Evaluation of a Virtual Academic Conference: Report from the 24th Japan Association of Medical Informatics Spring Symposium</i>	14:26-14:33		<b>Yumi Bando</b> , University of Hyogo, Japan Title: <i>A Discussion on Two-Way Nursing Information Cooperation System Interlinking Hospital and Home</i>
15:30-15:50		<b>Shintaro Ueda</b> , Kyushu University Hospital, Japan Title: <i>Barriers Against and Improvement Measures of Discussion During Bilateral Video-Conferencing in an Early Gastric Cancer Case Study</i>	14:33-14:40		<b>Ai Tomotaki</b> , National College of Nursing, Japan Title: <i>Trends in Research on Use of the Omaha System Between 2012 and 2019: Exploratory Scoping Review</i>
			14:40-14:47		<b>Mari Taba</b> , Naragakuen University, Japan Title: <i>Factors Related to the Perception of Nursing Students for Group Work in Online Classes</i>
			14:47-14:54		<b>Sachiyo Morino</b> , Kishiwada City Hospital, Japan Title: <i>Characteristics of 25 Mild-Moderate COVID-19 Patients Admitted to a Municipal Hospital -Analysis of Information from an Electronic Medical Record System-</i>
			15:05-15:35	Room E-2	<b>Poster Presentation Sessions: COVID-19</b> Chair: <b>Fumihiko Yokota</b> , Kyushu University, Japan
			15:05-15:12		<b>Utoomporn Wongsin</b> , College of Public Health, Taipei Medical University, Taiwan Title: <i>Mobile Applications for COVID-19 Tracing in Thailand</i>
			15:12-15:19		<b>Hocheol Lee</b> , Yonsei University Graduate School, Republic of Korea Title: <i>Catching Public Opinion of COVID-19 Pandemic in Korea and Japan: Social Network Mining on Twitter</i>
			15:19-15:26		<b>Takuya Kinoshita</b> , Nagasaki University Graduate School of Biomedical Sciences, Japan Title: <i>Correlation of COVID-19 and Population-Level Interest in Telemedicine: Time-Lagged Analysis Using Google Trend</i>
			15:26-15:33		<b>Shoko Miyagawa</b> , Faculty of Nursing and Medical Care, Keio University, Japan Title: <i>3D Printed Face Shield for COVID-19: A Website Providing Safety Information for Makers</i>
			15:45-16:00	Room E-2	<b>Poster Presentation Sessions: Database</b> Chair: <b>Yoshifumi Wakata</b> , Tokushima University Hospital, Japan
			15:45-15:52		<b>Masamichi Ishii</b> , National Center for Global Health and Medicine, Japan Title: <i>How to Improve the Workflow for Processing Genetic Test Results in an Electronic Medical Record System</i>
			15:52-15:59		<b>Hiroki Furuhashi</b> , University of Miyazaki Hospital, Japan Title: <i>A Long-Tail Trend of Drug Dispensing Frequency and Expenditure Using ABC Analysis</i>
16:00-16:20		TEA BREAK			
16:20-18:20	Hall-A	<b>JCMI-APAMI Special Keynote Session II : Patient Engagement</b> Moderator: <b>Michio Kimura</b> , Hamamatsu University School of Medicine, Japan			
16:20-17:10		Keynote Speaker: <b>Hyeoun-Ae Park</b> Affiliation: College of Nursing, Seoul National University, Republic of Korea Title: <i>Role of Health Informatics for Patient Engagement</i>			
17:20-18:20		Keynote Speaker: <b>Naoki Nakashima</b> Affiliation: MIC, Kyushu University Hospital, Japan; General Chair of APAMI2020 Title: <i>Patient Engagement and Personal Health Record</i>			
18:20 ~		CLOSE OF DAY 1			

Day 2: November 22 (Sun), 2020

9:30-11:00	Room E-1	<b>Last Minute Papers Presentation Session</b> Chairs: <b>Katsuki Okada</b> , Osaka University Graduate School of Medicine, Japan and <b>Siaw Teng Liaw</b> , University of New South Wales, Australia	09:30-11:00	Room E-2	<b>General Oral Session: Nursing Informatics</b> Chairs: <b>In Young Choi</b> , The Catholic University of Korea, Republic of Korea and <b>Takumi Tanikawa</b> , Hokkaido University of Science, Japan
9:30-9:50		<b>Simon Leigh</b> , Organisation for the Review of Care and Health Apps, UK Title: <i>The changing App-etite for mHealth: A time-series analysis pre &amp; post COVID-19</i>	09:30-09:50		<b>Yoshiaki Fukami</b> , Keio University, Japan Title: <i>Governance for Realization of Medical, Nursing and Administration Data Integration System</i>
9:50-10:10		<b>Pamod Amarakoon</b> , PG Institute of Medicine, University of Colombo, Sri Lanka Title: <i>Agile Response to Poorly Known Threats in COVID-19 Information System Implementation: A Case Study from Sri Lanka</i>	09:50-10:10		<b>Tittaya Mairittha</b> , Kyushu Institute of Technology, Japan Title: <i>Enhancing Nursing Care Records with A Spoken Dialogue System based on Smartphones</i>
10:10-10:30		<b>Oommen John</b> , The George Institute for Global Health, India Title: <i>Continuum of Care for Non-Communicable Diseases and Dialysis Services during COVID-19 Pandemic in Rural India: Role of Telehealth</i>	10:10-10:30		<b>Haru Kaneko</b> , Kyushu Institute of Technology, Japan Title: <i>Implementation of Care Records Automatic Generation Function in a Care Record Application</i>
			10:30-10:50		<b>Sakiko Itoh</b> , Osaka University, Japan Title: <i>Impact of a Sensing System on Mental Burden Among Nursing Care Providers in a Nursing Home</i>
11:10-11:20	TEA BREAK				
11:20-12:20	Hall-A	<b>JCMI-APAMI Special Keynote Session III : ICD-11</b> Moderator: <b>Takeshi Imai</b> , The University of Tokyo, Japan			
11:20-12:20		Keynote Speaker: <b>Christopher G. Chute</b> Affiliation: Professor of Medicine, Public Health and Nursing, Johns Hopkins University, USA Title: <i>The Potential Roles of ICD-11 in Translational Research- Architectural Features that Support Data Science</i>			
12:20-13:20	LUNCH BREAK				
13:20-14:30	Room E-1	<b>General Oral Session: Artificial Intelligence in Healthcare and Clinical Practice (I)</b> Chairs: <b>Siva Durga Prasad Nayak M</b> , Siddhartha Medical College, India and <b>Takanori Yamashita</b> , Kyushu University Hospital, Japan	13:20-14:10	Room E-2	<b>Poster Presentation Sessions: Connected and Digital Health/Telehealth</b> Chair: <b>Kimiyo Kikuchi</b> , Kyushu University, Japan
13:20-13:40		<b>Yasunobu Nohara</b> , Kumamoto University, Japan Title: <i>Explanation of Machine Learning Models Using Shapley Additive Explanation and Application for Real Data in Hospital</i>	13:20-13:27		<b>Ekaterina Koledova</b> , Global Medical Affairs, Merck KGaA, Germany Title: <i>Implementing eHealth to Complement and Support Achieving Adherence to Growth Hormone Therapy</i>
13:40-14:00		<b>Bowen Wang</b> , Osaka University Graduate School of Medicine, Japan Title: <i>Semi Supervised Learning of Nodule Detection in Chest Radiographs</i>	13:27-13:34		<b>Takeshi Tanaka</b> , Hiroshima University Hospital, Japan Title: <i>A Test Production of Medical Institution Webpage Available for an Extremely Large-Size Font</i>
			13:34-13:41		<b>Gumindu G.A.K Kulatunga</b> , PG Institute of Medicine, University of Colombo, Sri Lanka Title: <i>A Snapshot of Telehealthcare Services in Sri Lanka: Gaps and Opportunities</i>
			13:41-13:48		<b>Gumindu G.A.K Kulatunga</b> , PG Institute of Medicine, University of Colombo, Sri Lanka Title: <i>A Survey of Patient Opinion on the Role of Telehealth in Sri Lanka</i>
			14:20-14:50	Room E-2	<b>Poster Presentation Sessions: Standardization</b> Chair: <b>Hideto Yokoi</b> , Kagawa University, Japan
			14:20-14:27		<b>Hiroki Furuhashi</b> , University of Miyazaki Hospital, Japan Title: <i>Meal Completion as a Substitutional Event for Clinical Pathway Completion: Extension of Comparison from Single Hospital Database to That of Multiple Hospitals</i>
			14:27-14:34		<b>Dingding Xiao</b> , Tohoku University Graduate School of Medicine, Japan Title: <i>Development of a FHIR Application Based on SS-MIX2 Data</i>
14:40-15:50	Room E-1	<b>General Oral Session: COVID-19</b> Chair: <b>Shashi B. Gogia</b> , Consultant Surgeon and President, SATHI, India and <b>Takahiro Suzuki</b> , Chiba University, Japan	14:34-14:41		<b>Yeonchan Seong</b> , Ajou University School of Medicine, Yonsei University, Republic of Korea Title: <i>Incorporation of the Korean EDI Vocabulary into the OMOP Vocabulary</i>
14:40-15:00		<b>Annisa Ristya Rahmanti</b> , Taipei Medical University, Taiwan Title: <i>Social Media Data Analytics for Outbreak Risk Communication: Learning Public Attention on "New Normal" During the Covid-19 Pandemic in Indonesia</i>			
15:00-15:20		<b>Rafiqul Islam Maruf</b> , Medical Information Center, Kyushu University Hospital, Japan Title: <i>COVID-19 System in Portable Health Clinic for Patient Follow-up Ensuring Clinical Safety of Both Patients and Health Workers</i>	15:00-16:00	Room E-2	<b>Poster Presentation Sessions: Artificial Intelligence</b> Chair: <b>Soichi Ogishima</b> , Tohoku University, Japan
15:20-15:40		<b>Pramod D Jacob</b> , DHIndia Association, India Title: <i>Modelling and Forecasting the Capacity Needs and Patient Load in Designated COVID Hospitals in Underserved Areas</i>	15:00-15:07		<b>Takayoshi Terashita</b> , Gunma prefectural college of health sciences, Japan Title: <i>Effects of the Sampling Frequency Change in Eye Movement Analysis Using Deep Convolutional Neural Network: Comparison with Other Analyses by Open Annotated Gaze Data</i>
			15:07-15:14		<b>Shoya Wada</b> , Osaka University Graduate School of Medicine, Japan Title: <i>OuBioBERT: An Enhanced Pre-Trained Language Model for Biomedical Text With/Without Whole Word Masking</i>
			15:14-15:21		<b>Hiroyuki Nozaka</b> , Hirosaki university Graduate school of health sciences, Japan Title: <i>Basic Study of Artificial Intelligence Model with Deep Learning Algorithms for Peripheral Blood Leukocyte Classification</i>
			15:21-15:28		<b>Hiroyuki Nozaka</b> , Hirosaki university Graduate school of health sciences, Japan Title: <i>Clinical Assessment of Artificial Intelligence Model for Leukocyte Classification in Peripheral Blood Smear Screening</i>
			15:28-15:35		<b>Rieko Izukura</b> , Faculty of Medical Sciences, Kyushu University, Japan Title: <i>An Electronic Phenotyping Algorithm to Identify Cases of Stevens-Johnson Syndrome/Toxic Epidermal Necrolysis in the MID-NET Database</i>
			15:35-15:42		<b>Md. Mohaimenul Islam</b> , Graduate Inst. of Bio. Info., Taipei Medical University, Taiwan Title: <i>A Deep Learning Model for Improved Breast Cancer Risk Prediction</i>
15:50-16:10	TEA BREAK				
16:10-18:10	Room E-1	<b>APAMI Special Lecture &amp; Workshop</b> <b>Open Access Publishing in Medical Informatics</b>	16:30-18:00	Room E-2	<b>APAMI Panel Session: COVID-19</b> <b>Digital Health for Augmenting Health Systems during COVID-19 Pandemic: Current Practices and Future Directions</b> Moderator: <b>Oommen John</b> , The George Institute for Global Health, India and <b>Vajira H. W. Dissanayake</b> , University of Colombo, Sri Lanka
16:10-16:40		<b>Special Lecture</b> Guest Speaker: <b>Reinhold Haux</b> Affiliation: Peter L. Reichertz Institute for Medical Informatics of TU Braunschweig and Hannover Medical School, Germany Title: <i>On Open Access Publishing in Medical Informatics- Results of the International Trans-O-MIM Research Project</i>			<b>Paneled Speaker: Mark Landry</b> Affiliation: Regional Office for South-East Asia, World Health Organization, India
16:40-18:10		<b>WORKSHOP: Facilitated by Reinhold Haux</b> Speaker: <b>Corinna Mielke</b> Affiliation: Peter L. Reichertz Institute for Medical Informatics, TU Braunschweig and Hannover Medical School, Germany Title: <i>A Metric for Evaluating a Transformation of Subscription-Based Journals into Open-Access Journals</i> Speakers: <b>Esther Greussing</b> and <b>Monika Taddicken</b> Affiliation: Institute for Communication Science, TU Braunschweig, Germany Title: <i>Empirical Results on Open Access Publishing in Medical Informatics</i>			<b>Paneled Speaker: Kyung-Hee Cho</b> Affiliation: National Health Insurance Service Ilsan Hospital, Republic of Korea <b>Paneled Speaker: Louise K Schaper</b> Affiliation: Australasian Institute of Digital Health, Australia <b>Paneled Speaker: Alvin Marcelo</b> Affiliation: University of Philippines, Philippines <b>Paneled Speaker: Siaw-Teng Liaw</b> Affiliation: School of Public Health and Community Medicine, WHO Collaborating Centre for eHealth, UNSW, Australia
18:10 ~	CLOSE OF DAY 2				



**Day 3: November 23 (Mon), 2020**

<b>09:00-10:10</b>	<b>Room E-1</b>	<b>General Oral Session: Artificial Intelligence in Healthcare and Clinical Practice (II)</b> Chair: <b>Yasunobu Nohara</b> , Kumamoto University, Japan and <b>Yoshimasa Kawazoe</b> , The University of Tokyo, Japan	<b>09:00-10:10</b>	<b>Room E-2</b>	<b>General Oral Session: Patient Engagement</b> Chair: <b>Lasantha Muditha Kumara Ranwala</b> , Ministry of Health, Sri Lanka and <b>Mariko Nishikitani</b> , Kyushu University Hospital, Japan
09:00-09:20		<b>Kenichi Hirota</b> , Sapporo Medical University, Japan Title: <i>Predictions of the Hemoglobin A1c (HbA1c) Concentration of Drug Treatments for Diabetes Using Machine-Learning Algorithms</i>	09:00-09:20		<b>Helen Benedict Lasimbag</b> , Hospital Universiti Malaysia Sabah, Universiti Malaysia Sabah, Title: <i>OHIDAS Toolkit, the PHC, and Tanya Pakar: A Multi-level, Vertically Integrated Digital Health Promotion, Primary Prevention and Telemedicine Provision Programme</i>
09:20-09:40		<b>Masataka Kikuchi</b> , Osaka University, Japan Title: <i>An Application of Heterogeneous Mixture Learning for Mild Cognitive Impairment Subtyping</i>	09:20-09:40		<b>Toshihiro Takeda</b> , Osaka University Graduate School of Medicine, Japan Title: <i>A Survey of Public Perception Toward Personal Health Record in Japan</i>
09:40-10:00		<b>Shaira Tabassum</b> , United International University, Bangladesh Title: <i>An Analysis on Remote Healthcare Data for Future Health Risk Prediction to Reduce Health Management Cost</i>	09:40-10:00		<b>Melaku Haile Likka</b> , Kochi University, Japan Title: <i>A Way of Practical Establishing a Nationwide Shared Dataset for the Continuity of Care, Based on International Standard Dataset</i>
<b>10:10-10:30</b>	<b>TEA BREAK</b>				
<b>10:30-12:00</b>	<b>Room E-1</b>	<b>General Oral Session: Artificial Intelligence in Healthcare and Clinical Practice (III)</b> Chair: <b>Adam Chee</b> , National University of Singapore, Singapore and <b>Jun Nakaya</b> , Hokkaido University Graduate School of Health Sciences, Japan	<b>10:30-12:00</b>	<b>Room E-2</b>	<b>General Oral Session: Healthcare Support System and Standardization</b> Chair: <b>Shuji Shimizu</b> , Kyushu University Hospital, Japan and <b>Tomohiro Kuroda</b> , Kyoto University Hospital, Japan
10:30-10:50		<b>Takanori Yamashita</b> , Kyushu University Hospital, Japan Title: <i>Machine Learning for Classification of Postoperative Patient Status Using Standardized Medical Data</i>	10:30-10:50		<b>Shirou Manabe</b> , Osaka University Graduate School of Medicine, Japan Title: <i>Practical Use of a Multicenter Clinical Research Support System Connected to Electronic Medical Records</i>
10:50-11:10		<b>Sari Rahmawati Kusuma Dewi</b> , Taipei Medical University, Taiwan Title: <i>Cervical Cancer Screening using Machine Learning Approach</i>	10:50-11:10		<b>Chul Hyoung Park</b> , Ajou University School of Medicine, Republic of Korea Title: <i>Development and Validation of Radiology Common Data Model (R-CDM) for the International Standardization of Medical Image Data</i>
11:10-11:30		<b>Tahmina Nasrin Poly</b> , Taipei Medical University, Taiwan Title: <i>Artificial Intelligence for Prostate Cancer Prediction Using Electronic Health Record Data</i>			
<b>12:00-13:00</b>	<b>LUNCH BREAK</b>				
<b>13:00-14:30</b>	<b>Room E-1</b>	<b>APAMI Workshop: BMJ HCI Journal</b> <b>Publish or Perish: Introducing the New BMJ Journal for Informatics</b>	<b>13:00-14:10</b>	<b>Room E-2</b>	<b>General Oral Session: Health Data Science</b> Chair: <b>Ashok Puri</b> , Mahatma Gandhi University of Medical Sciences and Technology, India and <b>Masaharu Nakayama</b> , Tohoku University Graduate School of Medicine, Japan
13:00-14:30		Facilitator & Panel Speaker: <b>Yu-Chuan (Jack) Li</b> Affiliation: Graduate Institute of Biomedical Informatics, Taipei Medical University, Taiwan  Panel Speaker: <b>Siaw-Teng Liaw</b> Affiliation: School of Public Health and Community Medicine, WHO Collaborating Centre for eHealth, UNSW, Australia  Panel Speaker: <b>Usman Iqbal</b> Affiliation: Ph.D. Program in Global Health and Health Security, Taipei Medical University, Taiwan	13:00-13:20		<b>Fumihiko Yokota</b> , IDS3, Kyushu University, Japan Title: <i>Comparisons of Anthropometric Indices for Predicting Type 2 Diabetes Among Participants in Telemedicine and Health Checkups in Bangladesh</i>
			13:20-13:40		<b>Mariko Nishikitani</b> , Medical Information Center, Kyushu University Hospital, Japan Title: <i>Effects of Renal Dysfunction on the Improvement of Anemia in Bangladesh: An Epidemiological Analysis of Health Checkup Data with ICT Intervention</i>
			13:40-14:00		<b>Mohammad Niaz Morshed Khan</b> , Graduate School of BHS, Hiroshima University, Japan Title: <i>Factors Associated with Internet Addiction and Depression Among Undergraduate Medical Students in Dhaka City</i>
<b>14:30-15:00</b>	<b>Room E-1</b>	<b>APAMI2020 Closing Ceremony</b> Moderator: <b>Rafiqul Islam Maruf</b>  Guests: <b>Naoki Nakashima</b> & APAMI2020 Team, <b>Vajira H. W. Dissanayake</b> & APAMI Team			
<b>15:00 ~</b>	<b>CLOSE OF DAY 3 &amp; APAMI2020 Conference</b>				